

Part Number: C3524

Revision Level: 8

Date: 06/15/2011

**1C 18 SOLID BCCS,FOAM FEP, OAS, FLEXGUARD  
PVC JKT**

**RG 6/U TYPE PLENUM COAXIAL  
CABLE**

**A. CONSTRUCTION**

- |    |               |   |                                 |
|----|---------------|---|---------------------------------|
| 1) | CONDUCTOR:    | #18 AWG Solid Bare Copper-Clad Steel  | <b>DIAMETERS</b><br>0.040" nom. |
| 2) | INSULATION:   | 0.065" Wall Foamed Fluoropolymers   | 0.170" nom.                     |
| 3) | TAPE:         | Aluminum/Polyester/Aluminum - Bonded  | 0.175" nom.                     |
| 4) | BRAID:        | 34 AWG Aluminum Braid<br>80% Nom. Coverage  | 0.202" nom.                     |
| 5) | JACKET:       | 0.015" Wall Flexguard; PVC  | 0.232" +/- 0.008"               |
| 6) | PRINT LEGEND: | <i>CAROL(R) - -C3524 — RG6/U TYPE 75 OHM COAXIAL CABLE — 3.0 GHZ - 1C<br/>18 AWG CL2P—CATVP—CMP (ETL) c(ETL)us 3084997 — (MFG CODE; MM/YY<br/>&amp; TRU-MARK SEQ. FT. MKGS)</i> |                                 |

**B. INDUSTRY APPROVALS**

- |                          |                  |
|--------------------------|------------------|
| National Electrical Code | Article 725      |
| UL Standard 13           | Type CL2P (ETL)  |
| National Electrical Code | Article 800      |
| UL & CSA Standard 444    | CMP c(ETL)us     |
| National Electrical Code | Article 820      |
| UL Standard 1655         | Type CATVP (ETL) |
| EU 2002/95/EC            | RoHS Compliant   |

**C. ELECTRICAL PROPERTIES**

- |    |                                   |                                 |
|----|-----------------------------------|---------------------------------|
| 1) | TEMPERATURE:                      | -10C TO +60 °C                  |
| 2) | SUGGESTED WORKING VOLTAGE (Vrms): | CL2P/150V; CMP/300V, CATVP/60V  |
| 3) | CONDUCTOR D.C. RESISTANCE:        | 28.9 Ohms/1000 ft. nom. @ 20 °C |
| 4) | SHIELD RESISTANCE:                | 4.93 Ohms/1000 ft. nom. @ 20 °C |
| 5) | CAPACITANCE:                      | 16.0 pF/ft. @ 1kHz nom.         |
| 6) | CHARACTERISTIC IMPEDANCE:         | 75 Ohms @ 1 MHz nom.            |
| 7) | VELOCITY OF PROPAGATION           | 83.0 % nom.                     |
| 8) | SWEEP TEST 5-3000 MHz:            | 20 dB SRL nom.                  |
| 9) | ATTENUATION (NOMINAL):            |                                 |

FREQ. (MHz)	dB/100 ft.
1	0.30
10	0.66
50	1.50
100	2.10
200	3.10
360	4.11
500	5.00
700	6.40
1000	7.30
1450	8.56
1800	9.72
2300	12.20
3000	14.28

Note: Data are subject to change without notice. Contact your Customer Service representative for latest information.

Rev. 03: October 12, 2006 – from Manchester

Rev. 04: edit print legend 10/28/09 GT

Rev. 05: add E86009 to print , edit 2.3 GHZ to 3.0 GHZ and edit attenuation table up to 3.Ghz – 6/23/10 GT

Rev. 06: correct cond and braid type and attn table to catalog – GT 07/02/10

Rev. 07; added CATVP to print – GT 04/11/11

Rev. 08: change to ETL and Tru-Mark print legend – GT 06/15/2011